

City of Chattanooga, TN
Personnel Class Specification

Class code 0610

FLSA: Non-Exempt

CLASSIFICATION TITLE: PLANT MAINTENANCE MECHANIC

PURPOSE OF CLASSIFICATION

The purpose of this classification is to perform semi-skilled/manual work functions associated with repair and maintenance of treatment plant, systems, equipment, and related facilities.

ESSENTIAL FUNCTIONS

The following duties are normal for this position. These are not to be construed as exclusive or all-inclusive. Other duties may be required and assigned.

Performs mechanical/electrical repair and maintenance on buildings, machinery and equipment at treatment plant, pumping stations, storm water stations, oxygen plant, digester building, and machine shop.

Diagnoses, installs, disassembles, maintains, and repairs plant buildings, equipment, pumps, engines, motors, generators, controls, and other machinery, which may include gear reducers, blowers, air compressors, heat exchangers, gas valves, gas traps, flame regulators, presses, lime slakers, rake bars, tanks, conveyor belts, air conditioners, and centrifuges.

Performs various repair/maintenance tasks, which may include troubleshooting equipment malfunctions, troubleshooting electrical problems, rebuilding/aligning motors/pumps, rebuilding gear boxes, cutting/fitting pipes, repairing/replacing valves, repairing chemical lines, repairing sewage presses, replacing mechanical parts, repairing filter presses, changing filters, welding/fabricating metal parts and components, cleaning tanks, cleaning wet wells, digging holes/ditches, and lifting/moving heavy materials.

Operates a variety of machinery, equipment, and tools associated with department projects, which may include an overhead crane, hydraulic crane, flush truck, dump truck, tractor, forklift, air compressor, hydraulic jack, air wrench, pressure washer, air conditioner, heater, generator, pump, drill, drill press, offset press, band saw, skill saw, welder, torch, grinder, vibration meter, micrometer, gauges, pick, shovel, plumbing tools, electrician tools, mechanic tools, calibration equipment, and diagnostic instruments.

Inspects/tests machinery, equipment and parts for proper operations; makes adjustments, repairs or replacements as appropriate; reports problem situations.

Performs general cleaning/maintenance tasks necessary to keep vehicles, equipment, and tools in operable condition, which may include inspecting equipment, checking fluid levels, replacing fluids, greasing equipment, replacing parts, washing/cleaning equipment, and cleaning shop/work areas; monitors equipment operations to maintain efficiency and safety; reports faulty equipment.

Utilizes precautionary safety equipment and monitors work environment to ensure safety of employees and other individuals.

Transports, loads and unloads various equipment and materials used in projects.

Monitors inventory levels of parts, equipment, tools, or supplies; initiates requests for new or replacement materials.

Prepares or completes various forms, correspondence, reports, logs, work orders, and other documents.

Receives various forms, reports, work orders, blueprints, diagrams, specifications, manuals, or other documentation; reviews, processes, forwards or retains as appropriate.

Communicates with supervisor, employees, other departments, the public, and other individuals as needed to coordinate work activities, review status of work, exchange information, or resolve problems.

Communicates via telephone and/or two-way radio; provides information and assistance; takes and relays messages or directs calls to appropriate personnel; returns calls as necessary.

ADDITIONAL FUNCTIONS

Provides assistance to other employees or departments as needed.

Performs other related duties as required.

MINIMUM QUALIFICATIONS

High school diploma or GED; supplemented by three (3) to five (5) years previous experience and/or training that includes mechanical and electrical repair/maintenance; or any equivalent combination of education, training, and experience which provides the requisite knowledge, skills, and abilities for this job. Must possess and maintain a valid Tennessee Driver's License.

PERFORMANCE APTITUDES

Data Utilization: Requires the ability to calculate and/or tabulate data. Includes performing subsequent actions in relation to these computational operations.

Human Interaction: Requires the ability to provide guidance, assistance, and/or interpretation to others regarding the application of procedures and standards to specific situations.

Equipment, Machinery, Tools, and Materials Utilization: Requires the ability to overhaul, restore, renovate, construct, and/or rebuild equipment, machinery, or objects, requiring adherence to prescribed standards and specifications. Requires the ability to operate and control the actions of the same equipment, machinery, and/or objects.

Verbal Aptitude: Requires the ability to utilize a wide variety of reference, descriptive, and/or advisory data and information.

Mathematical Aptitude: Requires the ability to perform addition, subtraction, multiplication, and division.

Functional Reasoning: Requires the ability to apply principles of rational systems; to interpret instructions furnished in written, oral, diagrammatic, or schedule form; and to exercise independent judgment to adopt or modify methods and standards to meet variations in assigned objectives.

Situational Reasoning: Requires the ability to exercise judgment, decisiveness and creativity in situations involving a variety of generally pre-defined duties which are often characterized by frequent change.

ADA COMPLIANCE

Physical Ability: Tasks require the ability to exert heavy physical effort in heavy work, with greater emphasis on climbing and balancing, but typically also involving some combination of stooping, kneeling, crouching, and crawling, and the lifting, carrying, pushing, and/or pulling of moderately heavy objects and materials (20-50 pounds); may occasionally involve heavier objects and materials (up to 100 pounds).

Sensory Requirements: Some tasks require the ability to perceive and discriminate colors or shades of colors, sounds, odor, depth, texture, and visual cues or signals. Some tasks require the ability to communicate orally.

Environmental Factors: Performance of essential functions may require exposure to adverse environmental conditions, such as dirt, dust, pollen, odors, wetness, rain, fumes, temperature and noise extremes, machinery, electric currents, traffic hazards, toxic agents, disease, or pathogenic substances.

Chattanooga, Tennessee, is an Equal Opportunity Employer. In compliance with the Americans with Disabilities Act, the City will provide reasonable accommodations to qualified individuals with disabilities and encourages both prospective and current employees to discuss potential accommodations with the employer.